CURRENT FISHERIES STATISTICS NO. 8201

Canned Fishery Products, ANNUAL SUMMARY 1981

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National Marine Fisheries Service
2570 Dole Street
Honolulu, Hawaii

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Source of data:–Since 1921, the National Marine Fisheries Service of the National Oceanic and Atmospheric Administration and its predecessor organizations have made annual surveys for statistics on the domestic production of canned fishery products. The data collected include statistics on the production and value of each canned commodity by can size and trade classification. The value shown for the products constitutes the gross amount received by the producer at the production point; no deductions are made for commissions or expenses. Statistics on the Alaska canned pack were furnished by the Alaska Department of Fish and Game.

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The 1981 pack of canned fishery products in the 50 States, American Samoa, and Puerto Rico was 54.0 million standard cases (1.5 billion pounds) valued at a record $2.0 billion–increases of 276,400 standard cases and $63.4 million, but a decrease of 24.4 million pounds compared with the 1980 pack. The 1981 pack included 45.5 million standard cases (1.1 billion pounds) valued at a record $1.9 billion for human consumption, and 8.5 million standard cases (408.8 million pounds) valued at $134.6 million for bait and animal food. The packs of gefiltefish, salmon, Maine sardines, tuna, tunalike fish, clams and clam products, lobster meat and specialties, oyster specialties, and squid increased in 1981, but the remaining packs of fish and shellfish declined.

Canned Salmon. The 1981 U.S. pack of natural Pacific salmon reached 4.6 million standard cases, (221.3 million pounds) valued at $422.7 million, compared with 4.2 million standard cases (201.7 million pounds) valued at $403.8 million packed a year earlier. For the first time since 1945, the Alaska canned salmon pack topped 4.5 million standard cases, led by 2.6 million standard cases of pink and 1.3 million standard cases of red or sockeye. Alaskan plants accounted for about 96 percent of the quantity and value of the salmon pack. The Alaskan catch of more than 111 million fish was the third largest catch in history. An even larger catch is predicted for 1982 when an estimated 135 million fish will be harvested, making 1982 the largest salmon year in history. The larger catches of recent years can be attributed to mild winters and warmer sea temperatures allowing a higher than normal juvenile survival rate.

Canned sardines. The pack of Maine sardines (sea herring) was 1.6 million standard cases valued at $54.9 million, increases of 784,400 standard cases and $23.3 million compared with 1980. An additional pack of herring and herring specialties of 85,800 standard cases valued at $6.3 million was packed in 1981–50,100 standard cases and $4.3 million less than the 1980 pack. The decline in the pack of herring specialties can be attributed to smaller fish being utilized in the Maine sardine pack.

Canned tuna. The1981 U.S. pack of tuna was 31.8 million standard cases (627.0 million pounds) valued at $1.2 billion. This was 1.2 million standard cases (24.9 million pounds) and $36.6 million more than the 1980 pack. The pack of albacore tuna was 5.8 million standard cases in 1981, 321,100 standard cases more than the 5.5 million standard cases produced in 1980. Albacore tuna was 18 percent of the tuna pack in 1981. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 25.9 million standard cases 924,300 standard cases more than the 25.0 million standard cases packed in 1980. Plants in the United States packed 42 percent of the total; plants in American Samoa, Hawaii, and Puerto Rico packed the rest. About 31 percent of the total U.S. supply of canned tuna was packed from U.S.–caught fish, and 59 percent from imported fish. Imports of canned tuna made up the remaining 10 percent.

Canned clams. The U.S. pack of clams (whole, minced, chowder, and juice) was 3.2 million standard cases valued at a record $72.4 million – 276,400 standard cases and $6.1 million more than the pack in 1980. The 1981 pack of whole and minced clams of 600,700 standard cases, 129,400 standard cases less than the 1980 pack, accounted for 19 percent of the total clam pack in 1981. Clam chowder and clam juice 2.6 million standard cases, made up the remaining 1981 pack.

Canned shrimp. The 1981 U.S. pack of natural shrimp was 1.8 million standard cases valued at $58.9 million, 525,100 standard cases and $11.6 million less than the 1980 pack. Plants in Louisiana and Mississippi packed 1.1 million standard cases, about 700,000 standard cases less than the previous year, while the pack produced in Alaska and Washington increased.

Other canned items. The U.S. pack of mackerel was 802,900 standard cases valued at $12.4 million in 1981, 46,900 standard cases less, but $848,000 more than the previous year. The pack of tunalike fish (bonito) in 1981 was 271,800 standard cases valued at $6.4 million, compared with 224,200 standard cases, valued at $5.5 million a year earlier. Although more plants packed in 1981 compared to 1980, the pack of natural oysters continued to decline. Just over 63,000 standard cases valued at $1.2 million were packed. In 1981 the pack of pet food (10 pounds of fish per standard case of 48 one–pound cans) was 8.5 million standard cases valued at $132.1 million, a decrease of 2.0 million standard cases and $11.8 million compared with the pack in 1980. The canned pack of tuna in 1981 was approximately 47 percent of the pack but larger quantities of tuna are going to other types of pet food production.

SUMMARY OF PRODUCTION, BY PRODUCTS, 1981

Products	Plants	Production			
	Number	Pounds per case	Standard cases	Thousand pounds	Thousand dollars
For human consumption:					
Fish:					
Gefiltefish	4	48	283,426	13,604	14,669
Herring and herring specialities	11	48	85,808	4,119	6,320
Mackerel, jack and Pacific	4	45	802,906	36,131	12,360
Roe and caviar	6	48	6,880	330	1,469
Salmon:					
Natural	82	48	4,611,189	221,337	422,658
Smoked, smoked pastes, and pastes	21	48	2,856	137	629
Sardines, Maine	14	23,4	1,630,949	38,164	54,890
Sturgeon, smoked	11	48	654	31	166
Tuna:					
Solid	18	21	5,439,500	114,230	273,717
Chunk	16	19.5	26,050,141	507,978	899,902
Flakes and grated	13	18	264,487	4,761	6,519
Total tuna	(1) 20	-	31,754,128	626,969	1,180,138
Sauces, smoked, spreads, and with noodles	7	48	7,171	344	424
Tunalike fish (bonito)	4	21-19.5-18	271,796	5,415	6,397
Other fish specialties	16	48	169,757	8,148	7,736
Total fish	-	-	39,627,520	954,729	1,707,856
Shellfish:					
Clams and clam products:					
Whole and minced	17	15	600,656	(2) 9,010	27,862
Chowder	13	30	2,183,726	(2) 65,512	41,088
Juice	12	30	438,450	(2) 13,153	3,498
Total	19	-	3,222,832	(2) 87,675	72,448
Specialties	10	48	123,583	5,932	7,054
Crabs:					
Natural	12	19.5	175,951	3,431	18,560
Specialties	2	48	(3)	(3)	(3)
Lobster meat and specialties	5	48	15,389	739	1,014
Oysters:					
Natural	4	7	63,059	(4) 441	1,187
Specialities	6	48	185,442	8,901	5,290
Shrimp:					
Natural	19	6.75	1,828,396	(4) 12,342	58,922
Specialties	6	48	22,451	1,078	944
Squid	6	48	189,893	9,115	2,622
Other shellfish specialties	9	48	36,673	1,760	2,464
Total shellfish	-	-	5,863,669	131,414	170,505
Total for human consumption	-	-	45,491,189	1,086,143	1,878,361
For animal food and bait:					
Animal food	23	48	8,498,327	407,920	132,110
Salmon eggs and herring minnows for bait	5	48	17,985	863	2,452
Total for animal food and bait	28	48	8,516,312	408,783	134,562
Grand total	194	-	54,007,501	1,494,926	2,012,923

(1) Exclusive of duplication. (2) "Cut out" or "drained" weight of can contents is given for whole or minced clams, and net contents for other clam products. (3) Included with other shellfish specialties. (4) Drained weight.

Note:--Data for Alaska are preliminary. Data for other States are final.

VALUE OF PRODUCTION BY STATE AND PLANT COUNT, 1981

State and number of plants	Standard cases	Thousand dollars
Maine (16) and Massachusetts (1)	2,592,134	86,072
New York (4)	144,779	6,277
New Jersey (13)	1,477,707	43,122
Pennsylvania (2) and Delaware (2)	1,532,422	35,032
Virginia (3)	101,072	1,354
North Carolina (3), South Carolina (2), and Florida East Coast (1)	145,390	7,389
Mississippi (5) and Florida West Coast (1)	2,740,848	26,226
Louisiana (11)	956,659	31,580
Alaska (70)	5,189,832	437,589
California (10)	18,839,584	599,424
Oregon (5)	38,615	1,155
Washington (33)	452,210	27,011
Michigan (2), Ohio (1), and Wisconsin (1)	66,818	745
American Samoa (2), Hawaii (1), and Puerto Rico (5)	19,729,431	709,947
Total (194)	54,007,501	2,012,923

FACTORS USED TO CONVERT STANDARD CASES TO POUNDS

Products	1941	1942	1943	1944 to 1947	1948 to 1951
	Pounds per case				
Sardines:					
Maine	25	20.3	20.3	20.3	20.3
Pacific	48	45	45	45	45
Tuna and tunalike fishes:					
Solid	21	22.5	22.5	45	45
Chunks	-	-	-	(1)	(1)
Flakes	21	18	18	18	18
Mackerel	48	45	45	45	45
Alewives	48	48	45	45	45
Anchovies	48	48	48	48	48
Shad	48	48	48	45	45
Fish flakes	48	48	48	42	42
Oysters	15	15	22.5	22.5	14
Shrimp, wet pact	17.25	21	21	21	15
Clams products:					
Whole and minced	15	15	15	15	15
Juice, chowder, broth, et. al	30	30	30	30	30
Crabs	39	39	39	39	19.5
All other	48	48	48	48	48

Products	1952	1953 to 1957	1958 to 1964	1965 to 1969	1970 to 1981
	Pounds per case				
Sardines:					
Maine	20.3	20.3	23.4	23.4	23.4
Pacific	45	45	45	45	45
Tuna and tunalike fishes:					
Solid	21	21	21	21	21
Chunks	19.5	19.5	19.5	19.5	19.5
Flakes	18	18	18	18	18
Mackerel	45	45	45	45	45
Alewives	45	45	45	45	45
Anchovies	48	31.25	31.25	31.25	31.25
Shad	45	45	45	45	45
Fish flakes	42	48	48	48	48
Oysters	14	14	14	14	7
Shrimp, wet pack	15	15	15	6.75	6.75
Clam products:					
Whole and minced	15	15	15	15	15
Juice, chowder, broth, et. al	30	30	30	30	30
Crabs	19.5	19.5	19.5	19.5	19.5
All other	48	48	48	48	48

(1) Prior to 1952 chunk pack tuna was included with the flake pack.

Note:--The factors listed above were used in converting standard cases reported in the "Canned Fishery Products" bulletins for the years indicated.

PACK OF SALMON, BY MONTHS, 1981

Species	Alaska		Washington	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars
Chinook or king	7,701	639	12,881	1,306
Chum or keta	620,259	45,899	(1)	(1)
Pink	2,509,827	215,845	122,205	11,203
Red or sockeye	1,270,044	139,705	22,412	3,776
Silver or coho	36,751	3,234	8,305	954
Steelhead	-	-	(3)	(3)
Total	4,444,582	405,322	165,803	17,239

Species	Oregon		Total	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars
Chinook or king	325	40	20,907	1,985
Chum or keta	-	-	620,259	45,899
Pink	(2)	(2)	2,632,032	227,048
Red or sockeye	-	-	1,292,456	143,481
Silver or coho	479	57	45,535	4,245
Steelhead	-	-	(3)	(3)
Total	804	97	4,611,189	422,658

(1) Included with chinook or king. (2) Include with Washington production. (3) Included with silver or coho.

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight. Salmon were canned in 60 plants in Alaska, 18 plants in Washington, and 4 plants in Oregon.

WASHINGTON AND OREGON SALMON PACK, BY DISTRICTS, 1981

Species	Puget Sound		Columbia River		Coastal		Total	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
Chinook or king	11,725	1,190	639	67	842	89	13,206	1,346
Chum or keta	(1)	(1)	-	-	-	-	(1)	(1)
Pink	104,351	9,111	(2)	(2)	17,854	2,092	122,205	11,203
Red or sockeye	22,412	3,776	-	-	(3)	(3)	22,412	3,776
Silver or coho	4,206	507	(2)	(2)	4,578	504	8,784	1,011
Steelhead	(4)	(4)	-	-	-	-	(4)	(4)
Total	142,694	14,584	639	67	23,274	2,685	166,607	17,336

(1) Included with chinook or king. (2) Included with coastal. (3) Included with Puget sound. (4) Included with silver or coho.

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PUGET SOUNDS SALMON PACK, 1981
(standard cases)

Species	Local fish	Alaska fish	Total
Chinook or king	(1)	11,725	11,725
Chum or keta	-	(1)	(1)
Pink	45,915	58,436	104,351
Red or sockeye	(2) 10,112	12,300	22,412
Silver or coho	991	3,215	4,206
Steelhead	-	(3)	(3)
Total	57,018	85,676	142,694

(1) Included with Alaska fish. (2) Includes a small production from the coast. (3) Included with silver or coho.

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF MISCELLANEOUS SALMON PRODUCTS, 1981

Product	Standard cases	Thousand dollars	State and number of plants
Smoked, smoked paste, and paste	2,856	629	Alaska (7), Michigan (1), Oregon (4), and Washington (9)

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF TUNA, 1981

Species	Continental United States		Hawaii, American Samoa, and Puerto Rico		Total	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
Albacore:						
Solid pack	1,266,849	61,507	3,738,931	195,160	5,005,780	256,667
Chunks	205,039	9,221	526,226	25,614	731,265	34,835
Flakes and grated	60,359	1,888	29,086	902	89,445	2,790
Total	1,532,247	72,616	4,294,243	221,676	5,826,490	294,292
Lightmeat:						
Solid pack	221,072	8,882	212,648	8,168	433,720	17,050
Chunks	11,318,615	408,329	14,000,261	456,738	25,318,876	865,067
Flakes and grated	162,017	3,437	13,025	292	175,042	3,729
Total	11,701,704	420,648	14,225,934	465,198	25,927,638	885,846
Grand total	13,233,951	493,264	18,520,177	686,874	31,754,128	1,180,138

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 No. ½ tuna cans to the case, each can containing 7 oz net weight of solid pack, 6½ oz net weight of chunks, and 6 oz net weight of flakes and grated. The pack of dietetic tuna is included in the totals. Tuna were canned in 5 plants in California and Puerto Rico; 4 plants in Washington; 3 plants in Oregon; 2 plants in American Somoa; and 1 plant in Hawaii.

PACK OF TUNA, BY CAN SIZE, 1981

Data for the pack of tuna by can size is not available for 1981

PACK OF MISCELLANEOUS TUNA PRODUCTS, 1981

Product	Standard cases	Thousand dollars	State and number of plants
Smoked, spreads, in sauces, and with noodles	7,171	424	California (1), Maine (1), Oregon (2), Pennsylvania (1), and Washington (2)

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF TUNALIKE FISH, 1981

Specie	Standard cases	Thousand dollars
Bonito, solid pack, chunks, flakes, and grated	271,796	6,397

Note:--"Standard cases" represent the equivalent of 48 No. ½ tuna cans to the case, each can containing 7 oz net weight of solid pack, 6½ oz net weight of chunks, and 6 oz net weight of flakes and grated. Tunalike fish were canned in 4 plants in California.

PACK OF MAINE SARDINES, 1981

Style of pack	Standard cases	Thousand dollars
In soybean oil	1,280,332	43,831
In mustard sauce	268,352	8,356
In tomato sauce	69,963	2,227
In chili sauce and in hot sauce	12,302	476
Total	1,630,949	54,890

Note:--"Standard cases" represent the various size cases converted to the uniform basis of 100 No. ¼ oil cans (3¾ oz net) to the case. Sardines were canned in 14 plants in Maine.

PACK OF MISCELLANEOUS HERRING PRODUCTS, 1981

Product	Standard cases	Thousand dollars	State and number of plants
Spreads and fish	85,808	6,320	Maine (11)

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF JACK AND PACIFIC MACKEREL, 1981

State and number of plants	Standard cases	Thousand dollars
California (4)	802,906	12,360

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 15 oz net weight.

PACK OF ANIMAL FOOD FROM FISHERY PRODUCTS, 1981

Species, State, and number of plants	Standard cases	Thousand dollars
American Samoa (2), California (5), Hawaii (1), and Puerto Rico (5)		
Total, tuna and mackerel (13)	4,024,158	78,611
California (3), Michigan (1), Mississippi (2), New Jersey (1), Ohio (1), Pennsylvania (1), Virginia (1), and Washington (1)		
Total unclassified (11)	4,474,169	53,499
Grand total (23)	8,498,327	132,110

Note:--Each standard case contains 10 or more pounds of fish. An additional pack of 2,067,457 standard cases valued at $17,873,063 had less than 10 lb of fish per case, and is not included in the above pack. "Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF FISH ROE CAVIAR, SALMON EGGS, AND HERRING MINNOWS FOR BAIT, 1981

Product and number of plants	Standard cases	Thousand dollars	State and number of plants
Alewife roe (3)	3,703	147	North Carolina (2) and Virginia (1)
Lumpfish roe (1), salmon roe (1), shad roe (1), sturgeon roe (1), and whitefish roe (2)	3,177	1,322	New York (1), Oregon (1), and Wisconsin (1)
Total, exclusive of duplication (6)	6,880	1,469	
Salmon eggs (5) and herring minnows for bait (1),			
Total, exclusive of duplication (5)	17,985	2,452	Washington (5)
Grand total, exclusive of duplication (11)	24,865	2,921	

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF FISH ROE, CAVIAR, SALMON EGGS AND HERRING MINNOWS FOR BAIT, BY STATES, 1981

State and number of plants	Standard cases	Thousand dollars
New York (1), Oregon (1), and Wisconsin (1)	3,177	1,322
North Carolina (2) and Virginia (1)	3,703	147
Washington (5)	17,985	2,452
Total (11)	24,865	3,921

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF MISCELLANEOUS FISH PRODUCTS, 1981

Product	Standard cases	Thousand dollars	State and number of plants
Gefiltefish	283,426	14,669	New Jersey (3) and New York (1)
Sturgeon, smoked	654	166	Oregon (3) and Washington (8)
Alewives, anchovies, bonito, catfish, cod, haddock, shad, trout, wahoo, whitefish, and unclassified fish, all the foregoing in various styles including, natural packs, cakes, chowders, dips, pastes, smoked, in sauces, and stews	169,757	7,736	American Samoa (2) California (1), Maine (2), Michigan (1), New Jersey (4), North Carolina (1), Oregon (1), Pennsylvania (1), South Carolina (1), and Washington (2)
Total	453,837	22,571	

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF CLAMS AND CLAM PRODUCTS, 1981

Species	Whole and minced		Chowder and juice		Total	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
Hard, ocean quahog, soft, surf, and razor	600,656	27,862	2,622,176	44,586	3,222,832	72,448

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 No. 1 picnic cans, each can of whole or minced clams containing 5 oz of meat, drained weight, and each can of chowder, juice, broth, nectar, 10 oz net contents. The pack of clams in the shell is not included. Clams were canned in 6 plants in New Jeresy, 3 plants in Washington, 2 plant each in Delaware, Maine, and New York, 1 plant each in Massachusetts, Oregon, South Carolina, and Virginia.

CLAM PRODUCTS, BY TYPE OF PACK, 1981

Product and number of plants	Standard cases	Thousand pounds	Thousand dollars
Whole (4) and minced (13)	600,656	9,010	27,862
Chowder (13)	2,183,726	65,512	41,088
Juice (12)	438,450	13,153	3,498
Total, exclusive of duplication (19)	3,222,832	87,675	72,448

PACK OF MISCELLANEOUS CLAM PRODUCTS, 1981

Product	Standard cases	Thousand dollars	State and number of plants
Bisques, chowder bases, dips, in sauces, in shells, smoked, and stews	123,586	7,054	Delaware (2), Maine (1), New Jersey (3), New York (1), Oregon (1), and Washington (2)

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF CRAB MEAT, 1981

Species	Standard cases	Thousand dollars	State and number of plants
Blue, dungeness, king, rock and snow	175,951	18,560	Alaska (6), Maine (1), North Carolina (1), South Carolina (1), Oregon (1), and Washington (2)

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 6½ oz net weight.

PACK OF CRAB SPECIALTIES, 1981

Less than 3 firms packed crab specialties in 1981

NATURAL PACK OF OYSTERS, 1981

State and number of plants	Standard cases	Thousand dollars
Louisiana (2), South Carolina (1), and Washington (1)	63,059	1,187

Note:--"Standard cases" represent the various cases converted to the equivalent of 48 cans to the case, each can containing 7 oz drained weight.

PACK OF OYSTER SPECIALTIES, 1981

Product	Standard cases	Thousand dollars	State and number of plants
Chowders, chowder base, smoked, and stews	185,442	5,290	New Jersey (1), South Carolina (1), and Washington (4)

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

NATURAL PACK OF SHRIMP, 1981

State and number of plants	Standard cases	Thousand dollars
Louisiana (10)	938,716	31,130
Mississippi (3)	132,059	5,079
Total (13)	1,070,775	36,209
Oregon (1) and Washington (2)	107,621	3,213
Alaska (3)	650,000	19,500
Total (6)	757,621	22,713
Grand total (19)	1,828,396	58,922

Note:--"Standard cases" represent the various size cases converted to the equivalent of 24 cans to the case, each can containing 4½ oz of shrimp meats drained weight.

PACK OF MISCELLANEOUS SHRIMP PRODUCTS, 1981

Product	Standard cases	Thousand dollars	State and number of plants
Dips, in sauces, pastes, pickled, soups, and spread	24,451	944	Delaware (1), Maine (1), Michigan (1), New Jersey (2), and Oregon (1)

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF MISCELLANEOUS SHELLFISH PRODUCTS, 1981

Product	Standard cases	Thousand dollars	State and number of plants
American lobster, bisques, deviled, dips, meats, newburgs, pastes, in sauces, spreads; and spiny lobster in sauces	15,389	1,014	Maine (2), Michigan (1), and New Jersey (2)
Squid	189,893	2,622	California (5) and New Jersey (1)
Conchs, mussels, oysters, turtles, and other shellfish, all the foregoing in various styles, including, natural packs, chowders, deviled, dips, in sauces, and soups	36,673	2,464	Florida (2), Louisiana (1), Maine (2), New Jersey (3) and South Carolina (1)
Total	241,955	6,100	

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF CANNED FISHERY PRODUCTS, 1968-1981

Year	Alewives		Mackerel		Sardines, Maine	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
1968	74,768	449	495,424	4,098	1,730,306	19,297
1969	62,260	368	385,646	3,317	1,042,806	11,512
1970	22,538	134	188,609	1,534	806,501	11,227
1971	45,497	378	367,043	3,076	950,821	10,856
1972	12,734	121	305,847	2,618	1,561,535	23,877
1973	1,635	18	63,365	540	995,056	15,688
1974	7,560	138	83,975	921	920,511	21,745
1975	4,390	86	216,411	2,614	1,111,468	24,917
1976	4,315	98	147,629	2,085	1,067,146	24,478
1977	(1)	(1)	686,445	11,869	1,004,108	27,205
1978	(1)	(1)	722,133	9,751	1,127,171	35,641
1979	(1)	(1)	582,026	7,690	1,297,830	44,818
1980	(1)	(1)	849,822	11,512	846,533	31,554
1981	(1)	(1)	802,906	12,360	1,630,949	54,890

Year	Salmon					
	Washington and Oregon		Alaska		Total Salmon	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
1968	209,717	8,634	3,237,982	109,381	3,447,699	118,015
1969	267,753	12,551	2,283,168	77,735	2,550,921	90,286
1970	257,692	14,096	3,564,508	124,577	3,822,200	138,673
1971	610,398	29,841	2,899,011	107,981	3,509,409	137,822
1972	298,678	15,115	1,635,867	72,255	1,934,545	87,370
1973	285,502	24,688	1,209,755	86,417	1,495,257	111,105
1974	485,718	38,145	1,343,254	98,860	1,828,972	137,005
1975	171,330	14,990	1,383,900	95,424	1,555,230	110,414
1976	141,368	14,573	2,517,202	190,745	2,658,570	205,318
1977	232,459	20,874	2,594,391	188,762	2,826,850	209,636
1978	13,686	1,293	3,081,875	220,367	3,095,561	2,221,660
1979	51,492	5,386	3,048,971	253,068	3,100,463	258,454
1980	35,228	5,149	4,131,500	370,557	4,166,728	375,706
1981	166,607	17,336	4,444,582	405,322	4,611,189	422,658

Year	Tuna		Tunalike fishes		Edible roe and caviar	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
1968	20,011,690	268,731	214,716	1,837	42,160	4,470
1969	20,097,639	297,456	252,548	2,180	37,997	4,239
1970	22,063,340	380,574	139,541	1,450	23,457	4,096
1971	22,204,973	413,236	285,027	3,316	32,660	4,604
1972	31,210,102	633,313	336,795	4,150	26,587	2,974
1973	32,105,591	704,753	534,309	7,003	186,890	7,183
1974	33,363,933	823,893	393,522	5,726	22,202	3,893
1975	26,801,651	652,635	660,537	10,067	29,504	3,892
1976	30,304,489	853,463	163,355	2,941	17,344	3,515
1977	27,660,237	906,614	473,298	10,635	17,939	6,038
1978	35,635,201	1,273,260	180,429	3,737	20,638	4,139
1979	31,402,481	1,103,849	75,533	1,574	17,006	4,424
1980	30,508,722	1,143,527	224,193	5,476	13,979	3,832
1981	31,754,128	1,180,138	271,796	6,397	6,880	1,469

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U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE (F/S21)
Washington, D.C. 20235

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE
COM-210

FIRST CLASS MAIL

PACK OF CANNED FISHERY PRODUCTS, 1968-1981 - Continued

Year	Clams products				Total	
	Whole and minced		Chowder, juice, broth, et al.			
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
1968	507,752	6,726	1,807,132	13,718	2,314,884	20,444
1969	432,113	6,957	1,881,363	15,088	2,313,476	22,045
1970	580,239	10,242	1,892,974	15,419	2,473,213	25,661
1971	634,451	9,796	2,048,701	16,548	2,683,152	26,344
1972	703,819	9,274	2,161,426	17,989	2,865,245	27,263
1973	924,748	14,725	2,563,287	23,378	3,488,035	38,103
1974	886,658	16,949	2,499,206	26,157	3,385,864	43,106
1975	903,758	17,855	2,080,526	23,918	2,984,284	41,773
1976	517,180	14,815	1,888,859	24,483	2,406,039	39,298
1977	762,710	26,269	2,068,950	38,252	2,831,660	64,521
1978	659,999	25,383	1,963,146	34,807	2,623,145	60,190
1979	728,514	25,514	2,055,253	35,602	2,783,767	61,116
1980	730,072	27,448	2,216,406	38,902	2,946,478	66,350
1981	600,656	27,862	2,622,176	44,586	3,222,832	72,448

Year	Crabmeat, natural		Oysters, natural		Shrimp, natural	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
1968	206,099	8,977	650,962	5,625	2,809,965	29,444
1969	257,784	14,331	285,696	2,164	3,071,021	27,730
1970	261,410	10,489	271,968	2,102	3,722,253	37,277
1971	164,770	7,029	483,812	4,814	3,310,385	33,648
1972	128,855	7,008	399,679	4,292	3,525,188	38,713
1973	190,949	13,833	294,054	3,688	3,737,424	55,234
1974	223,472	13,564	282,676	3,266	3,277,192	44,370
1975	168,369	10,078	343,084	4,065	1,838,062	27,650
1976	182,283	13,331	165,577	2,548	2,966,095	48,815
1977	237,019	19,617	146,735	2,687	3,699,824	73,203
1978	184,236	19,368	85,652	1,337	2,400,179	49,693
1979	151,714	17,796	64,351	1,023	1,647,140	53,713
1980	200,836	19,285	(1)	(1)	2,265,048	80,265
1981	175,951	18,560	63,059	1,187	1,828,396	58,922

Year	Other Edible fish and shelfish	Animal food		Eggs for bait		Total
	Thousand dollars	Standard cases	Thousand dollars	Standard cases	--Thousand dollars--	
1968	17,901	10,088,424	82,504	14,146	2,116	583,908
1969	17,431	9,402,632	80,618	12,907	1,856	575,533
1970	19,407	11,243,806	105,232	21,040	3,904	741,760
1971	21,115	10,666,923	101,511	12,009	2,848	770,597
1972	21,796	13,877,134	139,180	10,336	2,247	994,922
1973	39,154	14,496,561	167,308	10,884	3,550	1,167,160
1974	29,789	12,297,427	174,614	10,354	3,817	1,305,847
1975	26,623	12,149,662	147,826	11,805	4,427	1,067,067
1976	35,848	13,751,919	195,839	11,813	2,116	1,429,693
1977	40,972	10,672,247	165,686	(2) 8,641	(2) 4,469	1,543,152
1978	40,389	11,227,312	162,380	(2) 6,738	(2) 2,579	1,884,124
1979	38,558	9,988,203	146,828	(2) 6,882	(2) 3,488	1,743,331
1980	44,441	10,548,132	143,959	(2) 10,557	(2) 1,749	1,927,656
1981	49,332	8,498,327	132,110	(2) 17,985	(2) 2,452	2,012,923

(1) Included with other edible fish and shellfish. (2) Includes a small production of minnows for bait.